

5 Leu Lys Ala Met Asp Pro Thr Pro Pro Leu Trp Ile Lys Thr Glu.

2. (amended) The composition of matter [comprising] consisting essentially of [Anti-LTNF including] polyclonal or monoclonal antibodies made [versus] against

B' cont
[any active portion of LTNF-n sequence and specifically those antibodies to LTNF-15, LTNF-10 and LTNF-5, comprising of 15, 10 and 5 amino acids, respectively, from the N-terminal of LTNF-n] a peptide consisting of from 5 to fifteen amino acids from the N-terminal of the sequence

5 Leu Lys Ala Met Asp Pro Thr Pro Pro Leu Trp Ile Lys Thr Glu. *SEE 12NO*

Kindly cancel claim 4.

clerk
B 2
5. (Amended) A process comprising bringing together [The anti-LTNFs] an anti-LTNF made [versus] against natural LTNF or [and versus] against synthetic peptides consisting of at least five amino acids of the sequence

Leu Lys Ala Met Asp Pro Thr Pro Pro Leu Trp Ile Lys Thr Glu

5 [detect] with at least one biological [toxins] toxin derived from animal, plant [and] or bacteria to cause an immunological reaction, and detecting a product of such reaction by ELISA.

Kindly cancel claim 6.

clerk
B 3
7. (Amended) A process as in claim 5 [The anti-LTNFs provide essential reagents for the in vitro assay of] further comprising conducting an ELISA binding or ELISA titer on the product of the immunological reaction to determine the wholesomeness of the at least one biological [toxins existing in singular form, or in mixture,] toxin, in a manner comparable to animal bioassay.

8. (Amended) A process as in claim 5 wherein the biological toxin is contained in a fluid [The anti-LTNFs detect and assay the toxins from] selected from the group consisting of [foods] food, blood sera and other body [fluids] fluid, saliva, milk, and urine [etc. by ELISA test in

antigen capture format, or any similar test] .

9. (Amended) A method for assessing [The] neutralizing potency [of] of an anti-toxin for a toxin, said method comprising

determining [is the] a neutralizing index given by [the] an [toxin] assay for the toxin minus an [anti-toxin mixture] assay for a mixture of the toxin plus the antitoxin;

5 wherein[,] the toxin assay is determined by ELISA test of the toxin plus normal serum;

and the toxin plus anti-toxin mixture assay is determined by ELISA test of a mixture of toxin plus anti-toxin mixture, such mixture containing a reduced amount of free toxin due to neutralization by the anti-toxin.

wherein anti-LTNF as set forth in claim 2 is used as a reagent for the ELISA tests.

10. (Twice Amended) A method as in claim 9 wherein [The neutralizing potency of] the anti-toxins [including] are anti-venoms [can be assayed by in vitro test using anti-LTNF compositions as in claim 2 as reagent, and thus saving thousands of mice as well as time and money].

11. (Amended) A composition of matter consisting essentially of [comprising] an antibody made [versus] against a peptide containing at least five amino acids from the N-terminal sequence
Leu Lys Ala Met Asp Pro Thr Pro Pro Leu Trp Ile Lys Thr Glu.

13. (Amended) A composition of matter as in claim 12, which reacts [immunologically] immunologically with a toxin selected from the group consisting of an animal toxin, a plant toxin and bacterial toxin.

14. (Amended) A process comprising contacting, in vitro, a biological toxin with an antibody made [versus] against a sequence of at least five amino acids from the N-terminal of the sequence
Leu Lys Ala Met Asp Pro Thr Pro Pro Leu Trp Ile Lys Thr Glu
under conditions to cause the biological toxin to react immunologically with said antibody.